Changed a file from non-ASCII to ASCII. The sequence text was swapped down to the next line. Changed the margins in cases where the sequence text was swapped down to the next line. Edited a format error in the Current Application Data section, specifically: Edited the Current Application Data section with the actual current number. The number inputted by applicant was the prior application data; or other. Added the mandatory heading and subheadings for "Current Application Data". Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an interprise Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place. Inserted colons after headings/subheadings. Headings edited included: Deleted: onn-ASCII garbage at the beginning/end of files; secretary initials/filename at empage numbers throughout text; other invalid text, such as Inserted mandatory headings, specifically:	17/1/
Changed the margins in cases where the sequence text was "mapped" down to the next line. Edited a format error in the Current Application Data section, specifically: Edited the Current Application Data section with the actual current number. The number inputted by applicant was the prior application data; or other	1/2
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Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at er page numbers throughout text; other invalid text, such as	
page numbers throughout text; other invalid text, such as	
Inserted mandatory headings, specifically:	nd of fi
Corrected an obvious error in the response, specifically:	
Edited identifiers where upper case is used but lower case is required, or vice versa.	
Corrected an error in the Number of Sequences field, specifically:	
A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.	
Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly due to a Patentin bug). Sequences corrected:	/ (error
Other: Sequence 6 - insuited hard retires	
•	

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.



OIPE

RAW SEQUENCE LISTING DATE: 03/07/2002 PATENT APPLICATION: US/09/990,613 TIME: 19:03:42

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PATENT APPLICATION: US/09/990,613

DATE: 03/07/2002 TIME: 19:03:42

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PATENT APPLICATION: US/09/990,613

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PATENT APPLICATION: US/09/990,613 TIME: 19:03:42

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\03072002\I990613.raw

212 aacgeggggg agetggtgea gggeeegtga eggggaetgt gaegtaaata aaacaacaga 3000 213 cetggacace accetagggt coccatgggg ceggacgagg ceacaccace egacetggtg 3060 214 cttcctgcct ggcgtctgcg ccacggagca ttcaggacgc tggtgaccag ggagccagga 3120 215 ggtgggagca tetgaggtge aggteaeaeg ggeaggaggt gtttgeaaga ggtattgeag 3180 216 cgcggacgga gtgtcctgca gatgacgctg tctgtcctgt agatgacgct cgtcaaggag 3240 217 gtttaccaca tagcccccgg gaagcccacc caacaccagc cggaggtgct aggcttctgc 3300 218 ggctcccacc tggggcaggc ggaggacccc gggcaggtcc aggacccccc ggagcagctg 3360 219 ctteeteaac eetgeeaggg ttaatgagga ggeeecagag tgaggtggag geeaaatggg 3420 220 acteagggee ggageetetg geetggetgg ateagggetg geattggaea agegeagetg 3480 221 actecegatg tgeatggeea ggagaeacte tgggeeteag ttteeeettg aatgtgaace 3540 222 ttgaaacaga tcagcccaga gacctcccac ggtcttcaag gggctctggt cagctgggct 3600 223 ggggtetetg gaaatagage etecteeagg gaeeeceaca ageeaeecag aetgageate 3660 224 etggecatgt geatgeetga geteageagg ageetgeegg geteeeegtg ggetaageag 3720 225 tggtgggagg ggagctccag cctcgtgggc cctgcccggg cctcggggac ccatggtcag 3780 226 tggctggggg tgctgcccag aggctgggat tcccttccag caggagccgc agtggggctg 3840 227 agtqtqaqqc aqqctqqctq accactqttt ccatqqaccc tqcqtccaaq qccaqccctq 3900 228 ccttccagcg gctttgccat ctaggacggg tgccaggtgg ggtaggccct tctctccctt 3960 229 cegattetea gaagetgetg ggggtggggg cgteetggge etcagggeac agagetgeaa 4020 230 atcettecty atceaggest steesestyce acagesests escagagagea aasacaegty 4080 231 gctgqagcgg ggaaqagcac gqtgccctqc qtgqcctgqc ctggcttgqg qccaaggctc 4140 232 cotgetacat aagetgggge coccagggga geaageacee ggeooggete cetecetgee 4200 233 egteceegte eececaceeg tgecageece caggatgggt geecegageg egtgeeggae 4260 234 getggtgttg getetggegg ceatgetegt ggtgeegeag geaggtaaga geeeceeact 4320 235 cogeocote togatgetgt etteacggeg ggggtetetg caggtegett geetgggage 4380 236 ttctcctqca qaqtqcacqq qcaqatcccc ctacqactcc ctqaqtqtcc tqqatqqqac 4440 237 cctacccgtc cccaacacag ggctctgggg ccccacgggc tcacagtgtc aggaaactca 4500 238 ggggctggct tggatggggt gtccaggaga aggtgggccc ctgaccgcag ggcaaggccc 4560 239 ctgggagacc accgaaaggg tcttggtctt gggggtggga caggagtggg caatggggga 4620 240 gggggtcaca gctgggggtc tctctggagc cccatgaggc ccaggcatca gagtgagcag 4680 241 gggcaggett agegtggace cetgteeagg aceggeteta ecetteaega ecteeetggg 4740 242 gatcacaget ggcagggcag gtgagggtac ccgggaccet caagggttgc acagecagec 4800 243 gcaagagccc cggcctcaac ccacgctcga ctcccacggc ccatctgtgg gcatctcatg 4860 244 cogcacqqqc tqcctqqctc tcaqccqaqc qttttccctc qtctqctqtc tcttqqccaq 4920 245 agccqcagca ttaatactta ctgtcaatag agaaagatgc agccccaggg gccaccggga 4980 246 gacacccage caggetggec atgaggetge tgeageceet ecetgeeeeg eeeteegeee 5040 247 cotoccaage ttggggtetg ggetgggeag gtgaggttee ctggggtete tetecatetg 5100 248 tggaagggag getgggtggt cageaggget ggaggeaggg ggetteeece agtggeteee 5160 249 agcctgggcc cggggggagc tgcgtctggc tgcaaggttt gggggctggt ttgaccagaa 5220 250 tagccacctc cttgcatctg attcttccgg gccatgcagc cttggctccc ctcacctgag 5280 251 caggeaggge ctagggaete teageceace egtecteetg teetecaege aegteeaagt 5340 252 tggggagate aagecettgg cagggaetgt getttagtea ecagatgeae gteetgtgge 5400 253 cggggaagge agecetgeae agageagett catgttaggg gaeacacece aaagtgatgg 5460 254 ggtggctggt ggtgggcact tototggcta caagatggag gcccaggtgg tocagcccaa 5520 255 ggagggcact gcacggagca gataaccaag ggcagtcagc ctgggcaggg gaggggctgc 5580 256 ctggggggga ggggttgcct gggttgggga ggggctgtct ggggcagggg aggagctgcc 5640 257 tggggggggg gaggggctgt agggccaggg aggggctgcc tgggggctggg gaggggctgc 5700 258 tggggtgggg aggggctgcc tgcggcggga gccggggcgt gggagtggct ggttgggctg 5760 259 geacacaggg geagggetgt gagetgtggg teggggtgga ggaeteaggg ateggetgge 5820 260 tttctgggaa aggcagtcaa cctggatctc tggaggcggc ccctgtggtg gttcccagat 5880